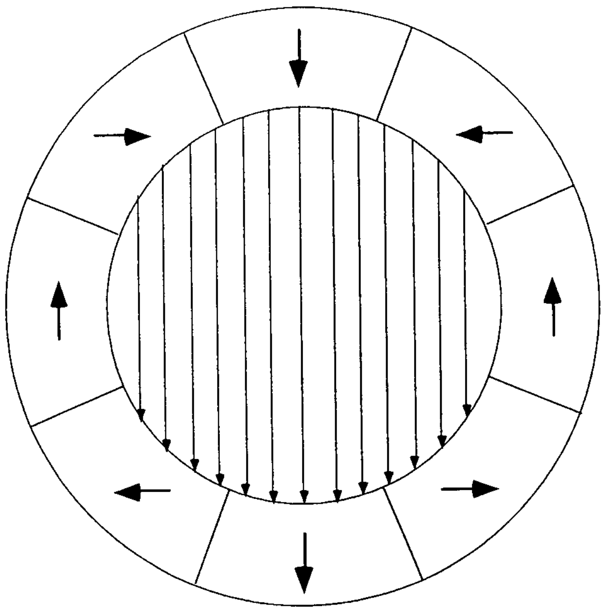


internal field:	dipole
configuration:	8 segment
alternative :	16 segment
note:	typical field uniformity <3%

FIGURE 1A: DIPOLE HALBACH ARRAY WITH ARC SEGMENT MAGNETS

(PRIOR ART)

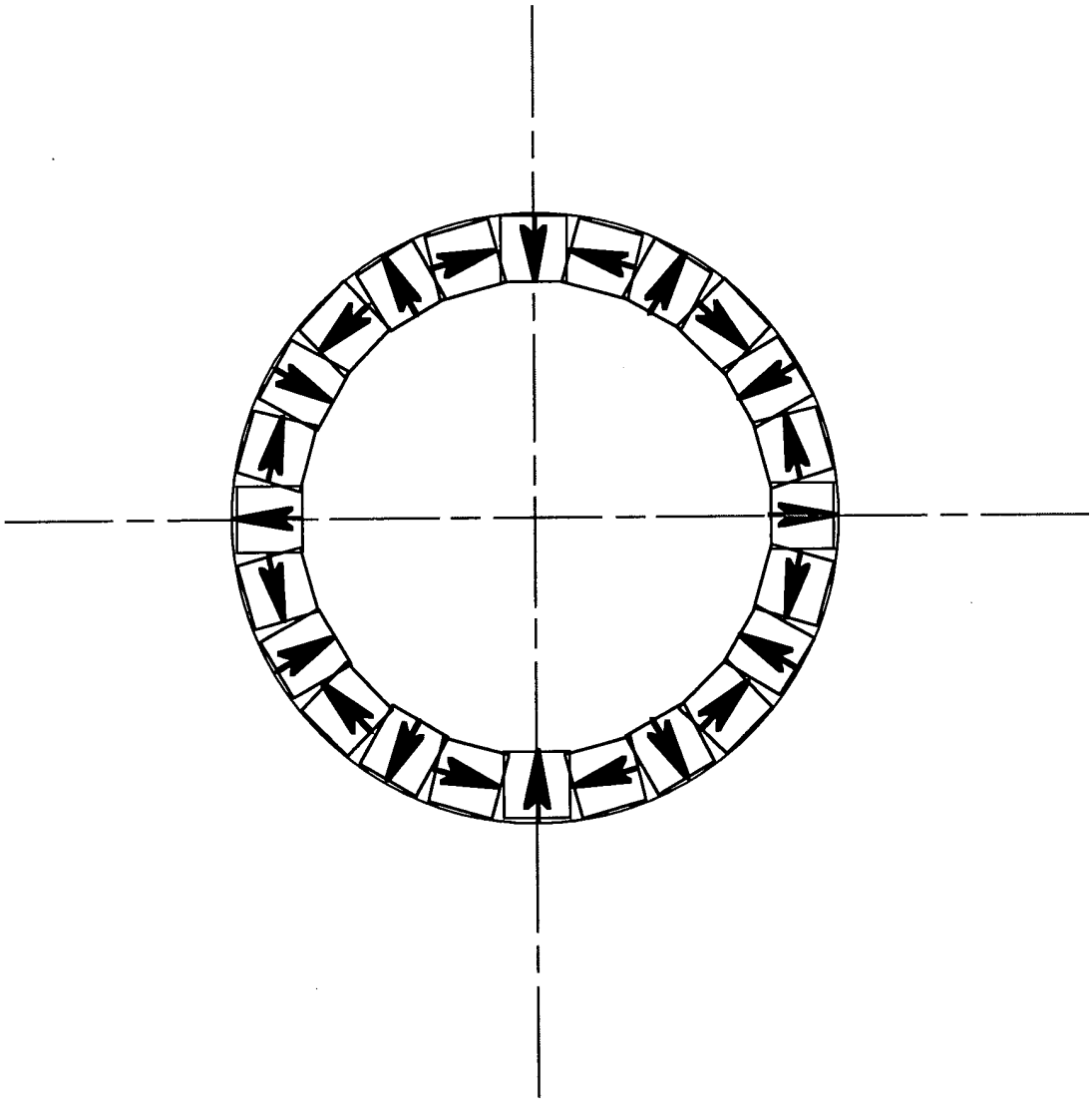
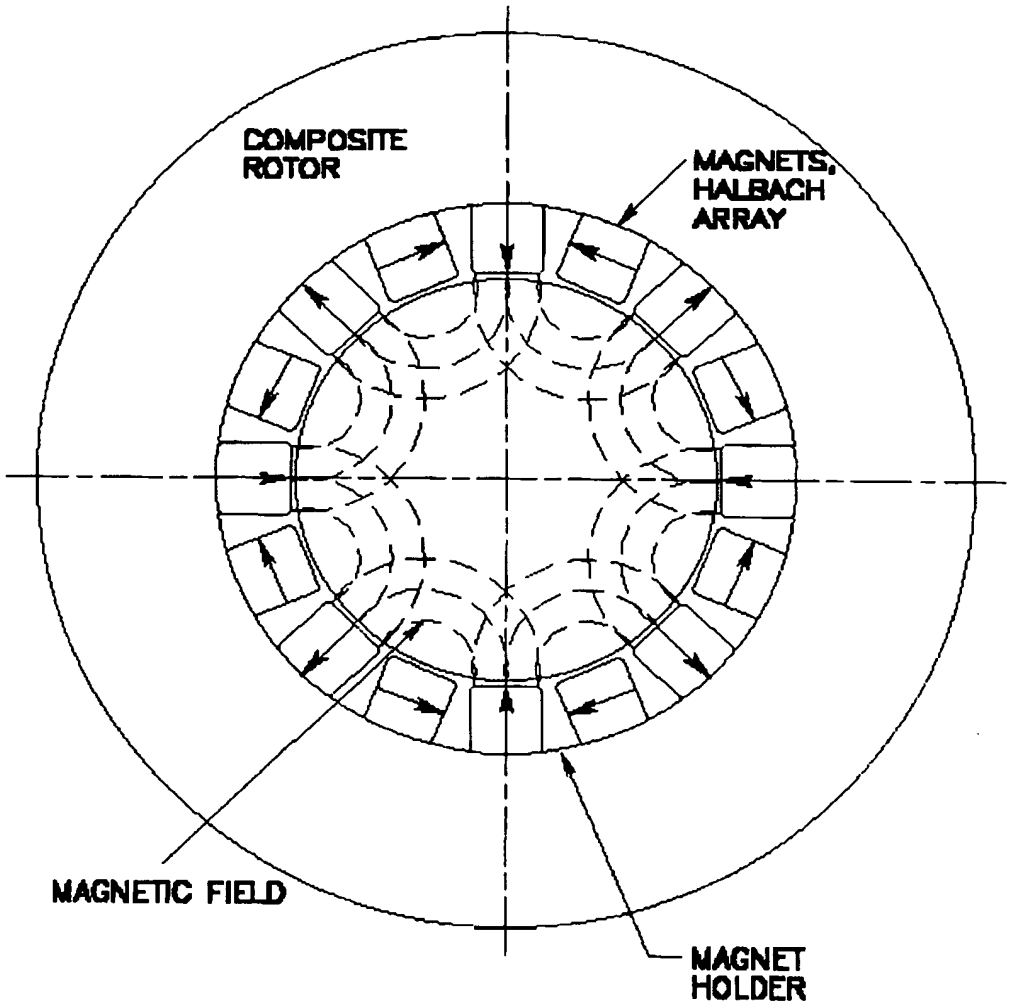


FIGURE 1a. MULTIPLE POLE HALBACH ARRAY WITH SQUARE SEGMENT MAGNETS



1C

FIGURE ~~1a~~: MULTIPLE POLE HALBACH ARRAY WITH SQUARE SEGMENT MAGNETS

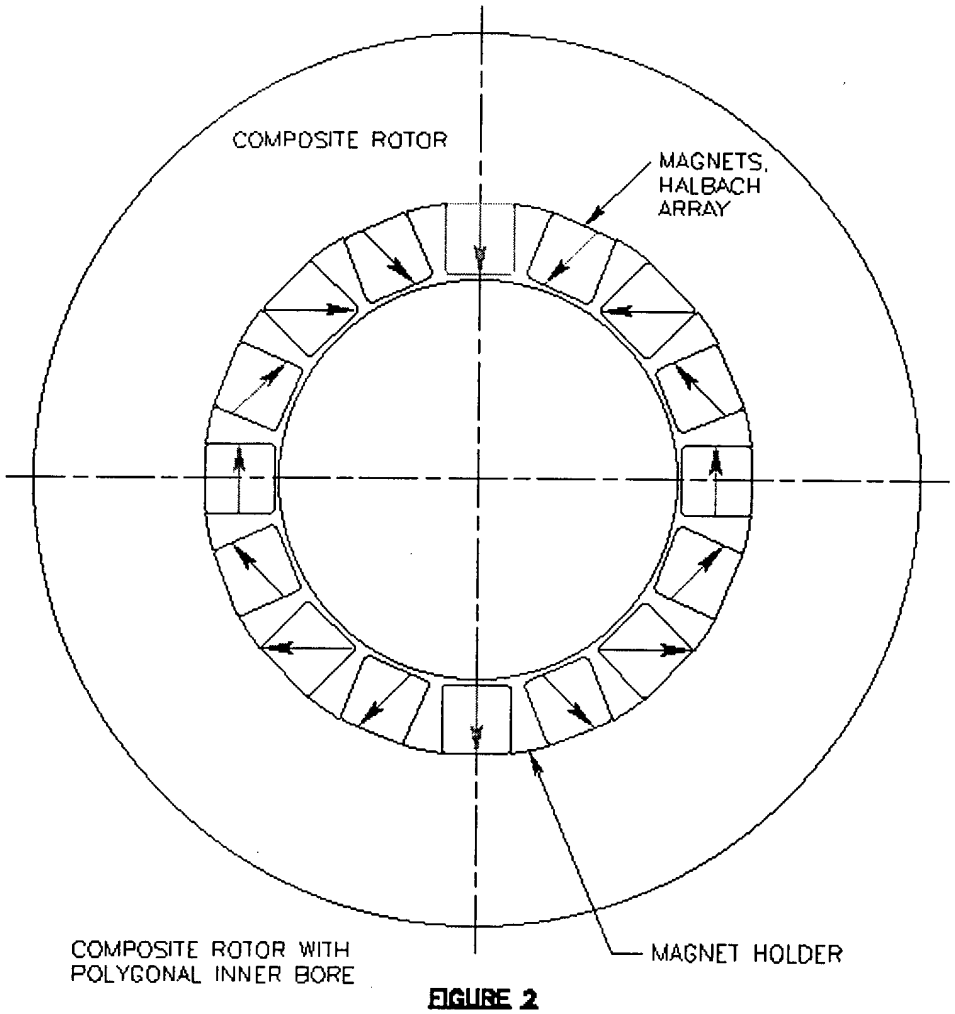


FIGURE 2

FIGURE 2: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A POLYGONAL BORE

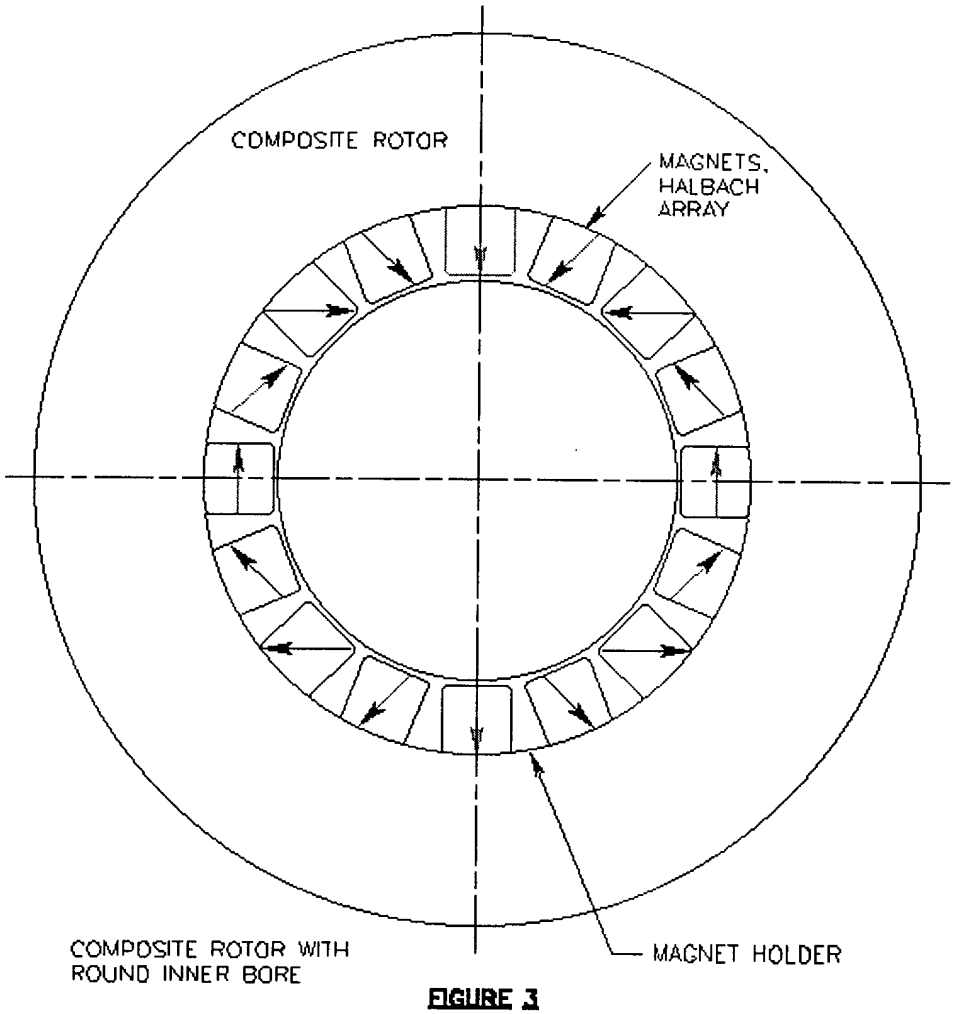


FIGURE 3

FIGURE 3: SQUARE MAGNETS IN HALBACH ARRAY WITH INTEGRAL MAGNET HOLDER INSIDE A ROUND BORE

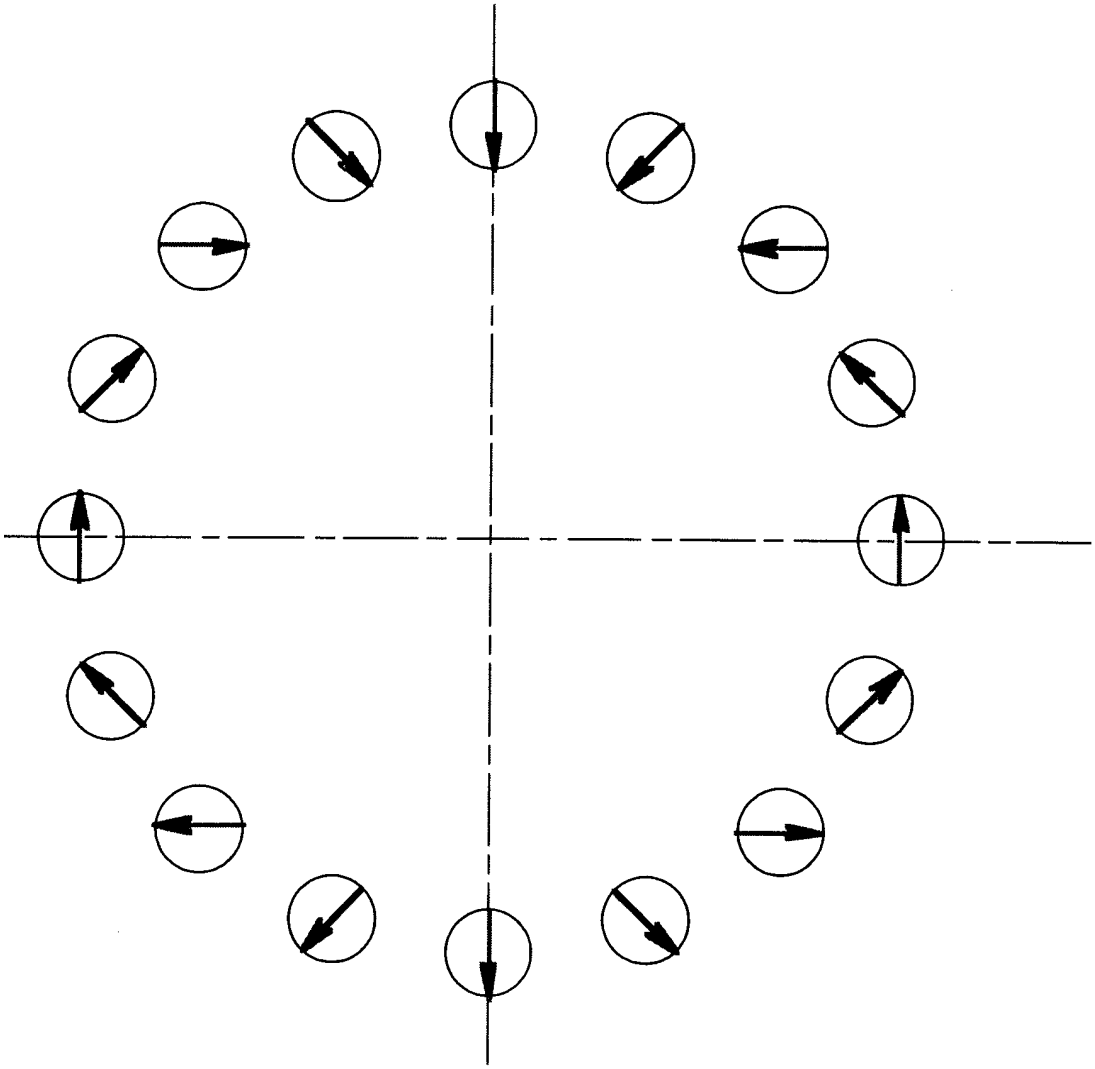


FIGURE 4: DIPOLE HALBACH ARRAY WITH CYLINDRICAL MAGNET SEGMENTS

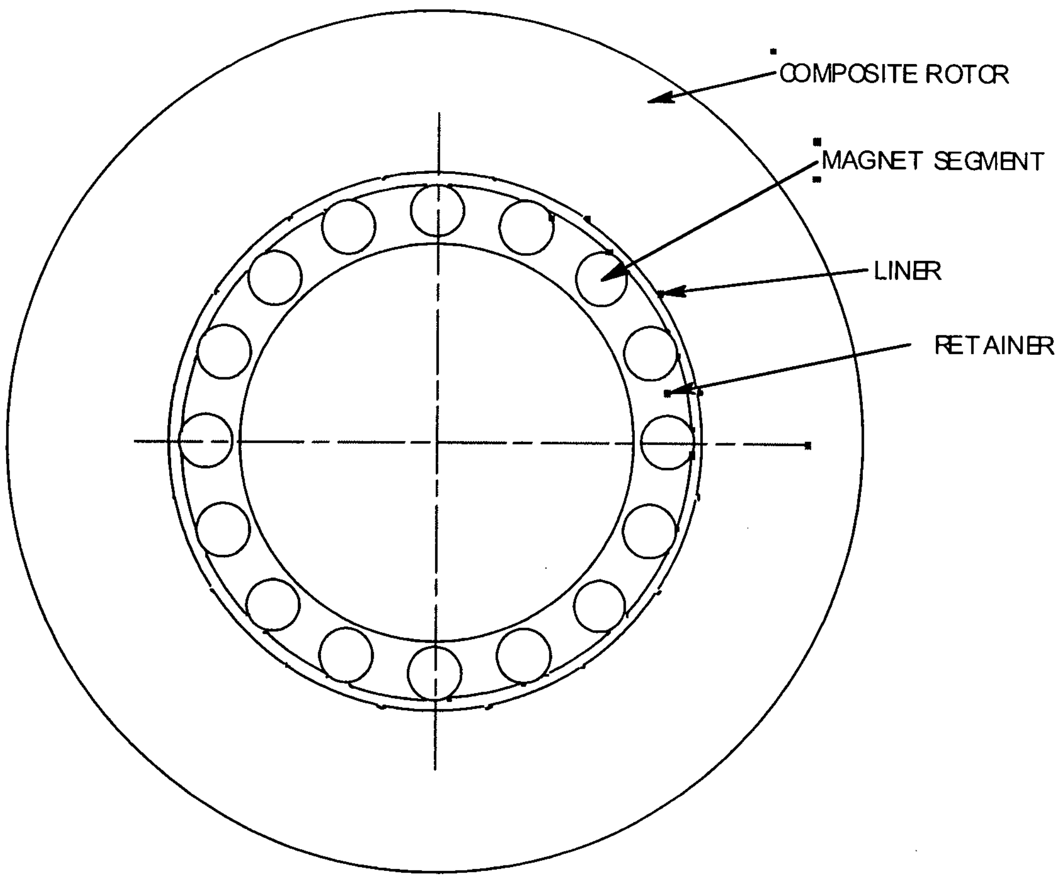


FIGURE 5: THIN LINER AND RETAINER

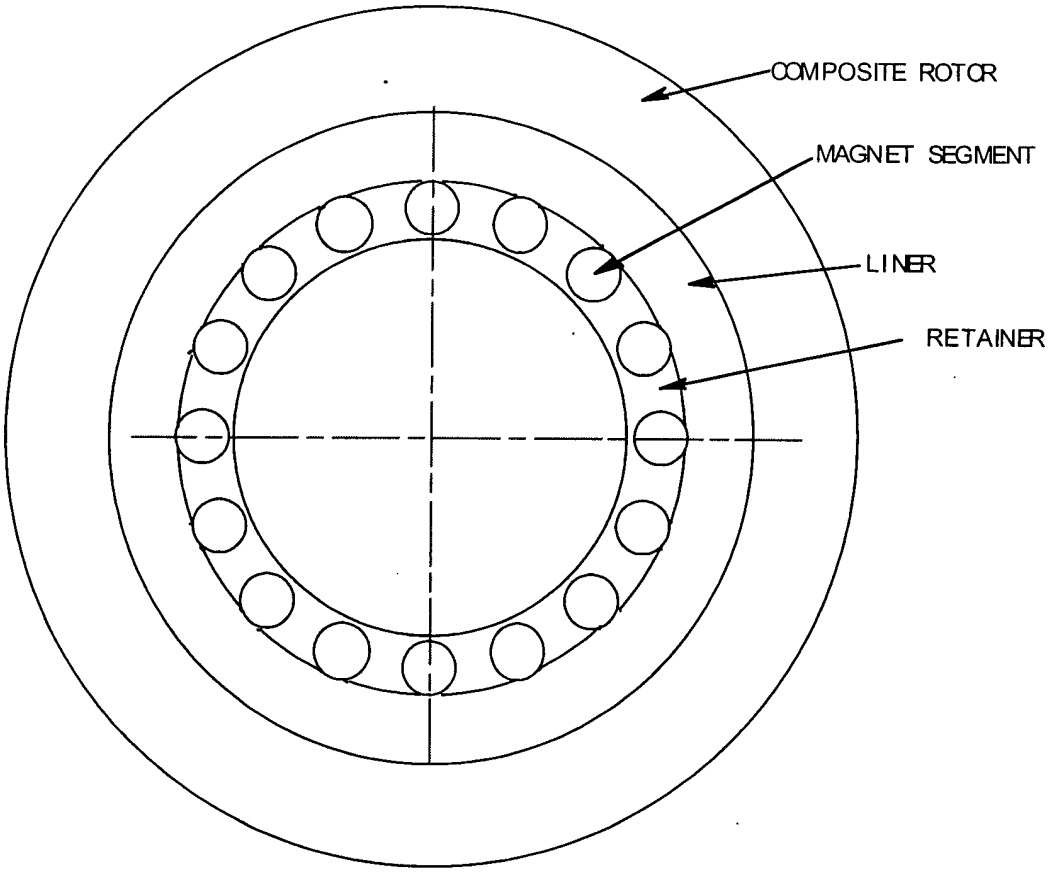


FIGURE 6: THICK LINER, SEPRATE RETAINER

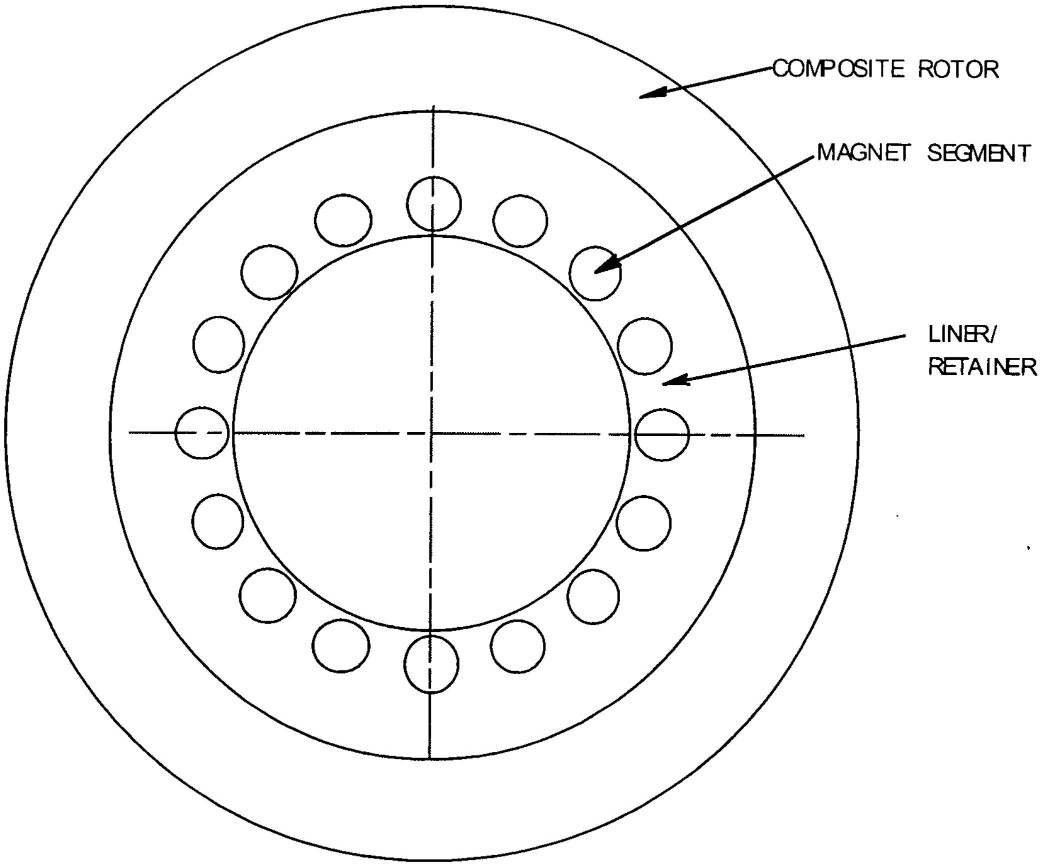


FIGURE 7: COMBINED LINER RETAINER

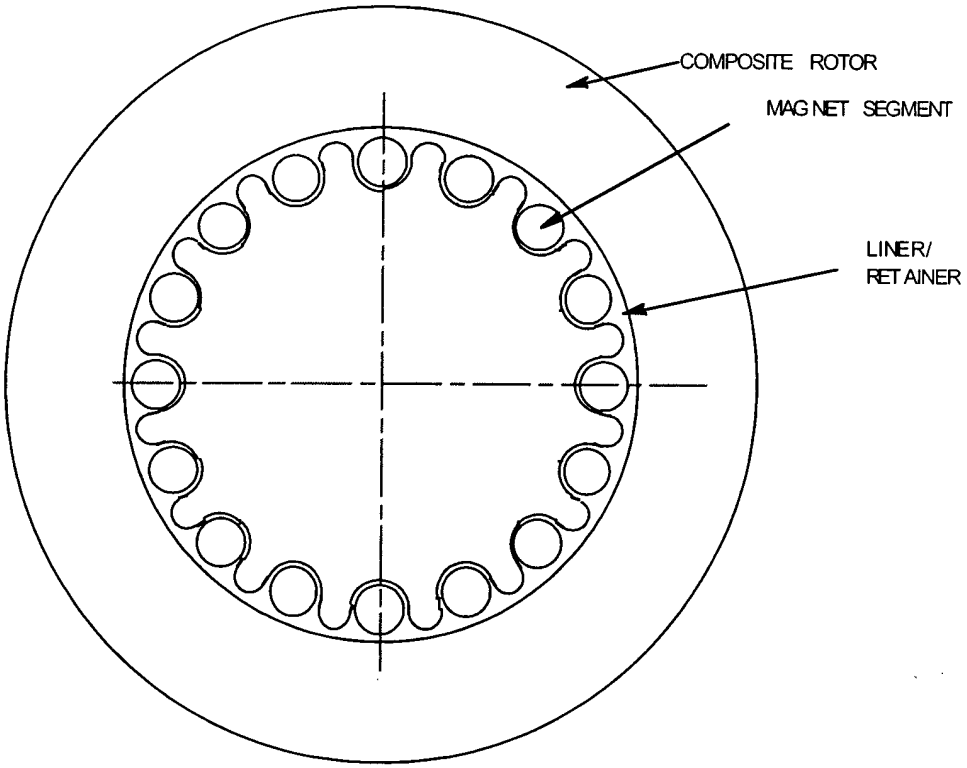


FIGURE 8: CONTOURED LINER/RETAINER

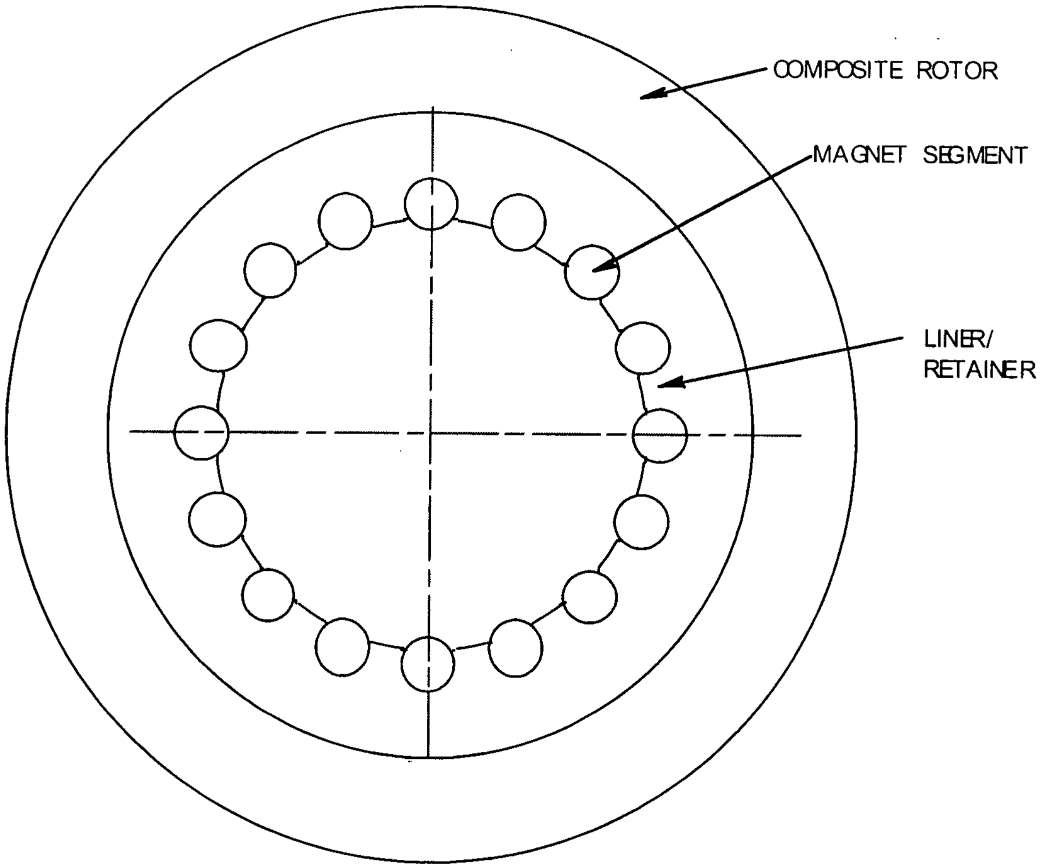


FIGURE 9: PARTIALLY SURROUNDING LINER/RETAINER

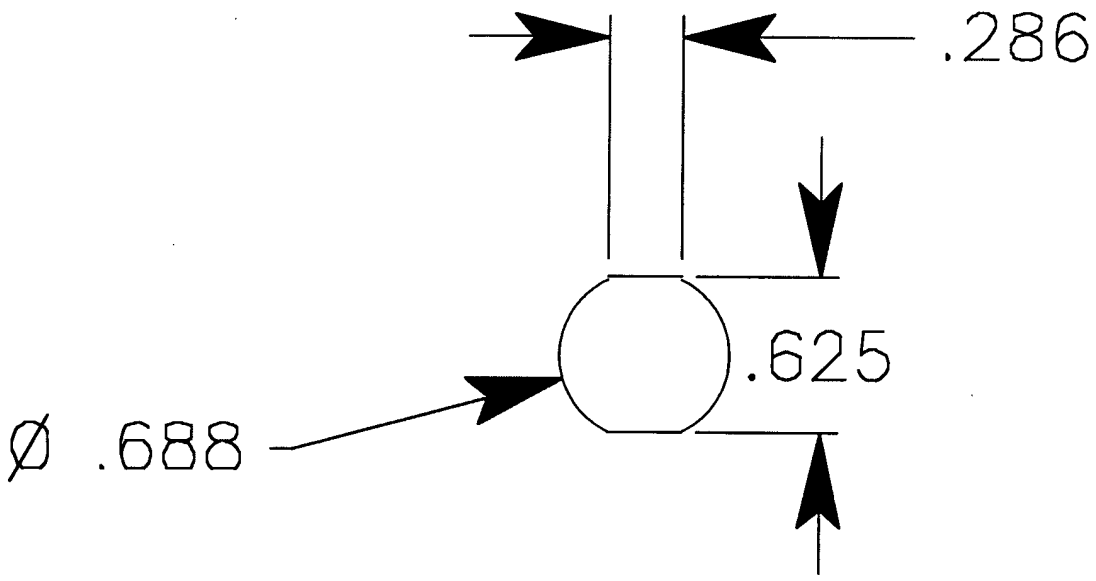


FIGURE 10: MAGNET SEGMENT WITH ANTIROTATION FLATS

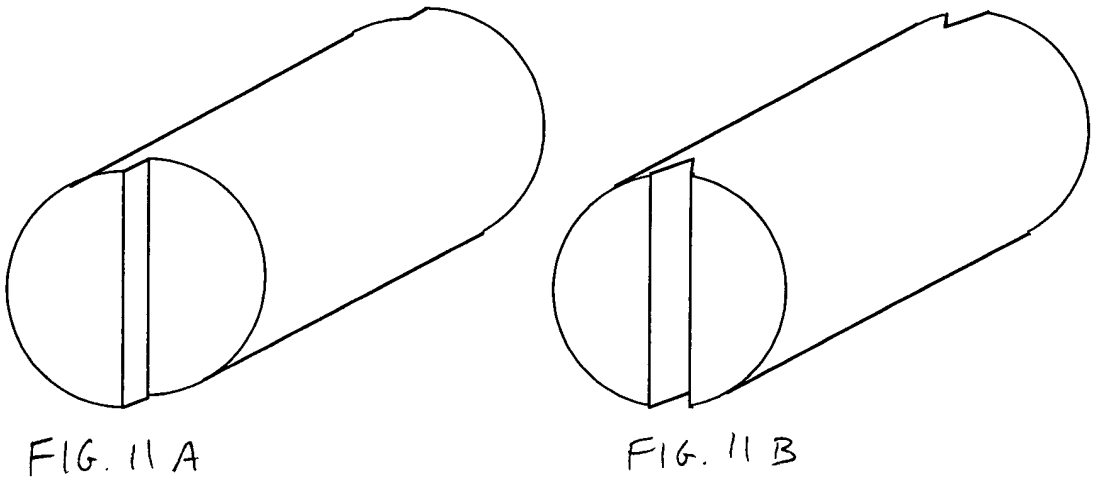


FIGURE 11: ANTIROTATION FEATURES ON ENDS OF MAGNET (STEP OR GROOVE)